

Name _____

Date _____

Happy Multipliers

Use at the beginning of the school year

1. In the squares, write the product of each pair of terms joined by the curved lines that form each happy face.
2. Add the contents of the two squares in the center to get the “ b ” term of each trinomial in the form $ax^2 + bx + c$.
3. Put the word for each face in order from least “ b ” term to greatest “ b ” term to spell a piece of good advice.

| | | |
|---|---|---|
| <div> <div></div> <div> $(x+4)$ $(x+1)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>OPEN</p> | <div> <div></div> <div> $(x+7)$ $(x+8)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>FALL</p> | <div> <div></div> <div> $(x+4)$ $(x-1)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>SO</p> |
| <div> <div></div> <div> $(x+11)$ $(x+1)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>BRAINS</p> | <div> <div></div> <div> $(x-9)$ $(2x+12)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>BE</p> | <div> <div></div> <div> $(3x+3)$ $(x-2)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>MINDED</p> |
| <div> <div></div> <div> $(x+9)$ $(x-8)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>BUT</p> | <div> <div></div> <div> $(x+3)$ $(2x-4)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>NOT</p> | <div> <div></div> <div> $(x+8)$ $(x+0)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>THAT</p> |
| <div> <div></div> <div> $(x+6)$ $(-8x+2)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>IT'S</p> | <div> <div></div> <div> $(x-3)$ $(6x+5)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>GOOD</p> | <div> <div></div> <div> $(x+14)$ $(3x-4)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>OUT</p> |
| <div> <div></div> <div> $(x-13)$ $(2x+18)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>TO</p> | <div> <div></div> <div> $(x-7)$ $(x+2)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>OPEN</p> | <div> <div></div> <div> $(x-1)$ $(x+12)$ </div> <div> <div></div> <div></div> </div> <div></div> </div> <div></div> <p>YOUR</p> |

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